Mark Tweedie

List of Publications by Year
in descending order

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Version: 2024-02-01

10 papers	200 citations	1478505 6 h-index	1474206 9 g-index
10 all docs	10 docs citations	10 times ranked	262 citing authors

#	Article	IF	Citations
1	Characterisation of PMMA microfluidic channels and devices fabricated by hot embossing and sealed by direct bonding. Current Applied Physics, 2009, 9, 1199-1202.	2.4	84
2	Experimental and numerical investigation of capillary flow in SU8 and PDMS microchannels with integrated pillars. Microfluidics and Nanofluidics, 2009, 7, 451-465.	2.2	69
3	High-strength thermoplastic bonding for multi-channel, multi-layer lab-on-chip devices for ocean and environmental applications. Microfluidics and Nanofluidics, 2015, 19, 913-922.	2.2	11
4	Long-term hydrolytically stable bond formation for future membrane-based deep ocean microfluidic chemical sensors. Lab on A Chip, 2019, 19, 1287-1295.	6.0	9
5	The analysis of dissolved inorganic carbon in liquid using a microfluidic conductivity sensor with membrane separation of CO2. Microfluidics and Nanofluidics, 2020, 24, 37.	2.2	9
6	Microfluidic ratio metering devices fabricated in PMMA by CO2 laser. Microsystem Technologies, 2021, 27, 47-58.	2.0	6
7	Effect of Surface Modification on Laminar Flow in Microchannels Fabricated by UV-Lithography. E-Journal of Surface Science and Nanotechnology, 2009, 7, 330-333.	0.4	4
8	EXPERIMENTAL STUDIES OF SURFACE-DRIVEN CAPILLARY FLOW IN PMMA MICROFLUIDIC DEVICES PREPARED BY DIRECT BONDING TECHNIQUE AND PASSIVE SEPARATION OF MICROPARTICLES IN MICROFLUIDIC LABORATORY-ON-A-CHIP SYSTEMS. Surface Review and Letters, 2015, 22, 1550050.	1.1	4
9	Metered reagent injection into microfluidic continuous flow sampling for conductimetric ocean dissolved inorganic carbon sensing. Measurement Science and Technology, 2020, 31, 065104.	2.6	4
10	Fabrication of impedimetric sensors for label-free Point-of-Care immunoassay cardiac marker systems, with passive microfluidic delivery. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0